

# Tides, Sunrise and Sunset for Nisqually Delta, January 2012

High Tide

Low Tide

|        | Height-Time |        |         | Height-Time |        |         | Height-Time |        |         | Height-Time |        |         | Sun Rise and Set | General Information  |
|--------|-------------|--------|---------|-------------|--------|---------|-------------|--------|---------|-------------|--------|---------|------------------|--|
| 1-Jan  | L           | 5'0"   | 4:24AM  | H           | 13'11" | 10:57AM | L           | 2'10"  | 6:21PM  | -           | -      | -       | 07:56-04:31      | <b>Tides 10 feet or below</b><br>Lots of mud visible. Good for herons, shorebirds, and dabbling ducks. |
| 2-Jan  | H           | 9'6"   | 12:52AM | L           | 6'6"   | 5:26AM  | H           | 13'6"  | 11:38AM | L           | 2'1"   | 7:12PM  | 07:56-04:32      |  |
| 3-Jan  | H           | 10'4"  | 2:39AM  | L           | 7'8"   | 6:47AM  | H           | 13'1"  | 12:22PM | L           | 1'3"   | 7:58PM  | 07:56-04:33      |  |
| 4-Jan  | H           | 11'6"  | 3:50AM  | L           | 8'3"   | 8:16AM  | H           | 12'9"  | 1:08PM  | L           | 0'6"   | 8:39PM  | 07:56-04:34      |  |
| 5-Jan  | H           | 12'6"  | 4:38AM  | L           | 8'6"   | 9:27AM  | H           | 12'8"  | 1:53PM  | L           | -0'1"  | 9:18PM  | 07:56-04:35      |  |
| 6-Jan  | H           | 13'2"  | 5:14AM  | L           | 8'5"   | 10:18AM | H           | 12'7"  | 2:37PM  | L           | -0'9"  | 9:55PM  | 07:56-04:36      |  |
| 7-Jan  | H           | 13'8"  | 5:44AM  | L           | 8'3"   | 10:57AM | H           | 12'8"  | 3:19PM  | L           | -1'3"  | 10:32PM | 07:56-04:37      | <b>Tide 10-11 feet</b>   |
| 8-Jan  | H           | 14'1"  | 6:10AM  | L           | 8'0"   | 11:31AM | H           | 12'9"  | 4:00PM  | L           | -1'7"  | 11:09PM | 07:55-04:38      | Tides are covering most of the mudflats around the boardwalk.  |
| 9-Jan  | H           | 14'5"  | 6:34AM  | L           | 7'7"   | 12:05PM | H           | 12'9"  | 4:42PM  | L           | -1'8"  | 11:46PM | 07:55-04:39      | Water level is good for dabbling ducks.  |
| 10-Jan | H           | 14'8"  | 6:59AM  | L           | 7'0"   | 12:41PM | H           | 12'8"  | 5:27PM  | -           | -      | -       | 07:55-04:41      |  |
| 11-Jan | L           | -1'6"  | 12:25AM | H           | 15'0"  | 7:27AM  | L           | 6'3"   | 1:21PM  | H           | 12'5"  | 6:15PM  | 07:54-04:42      |  |
| 12-Jan | L           | -0'11" | 1:05AM  | H           | 15'3"  | 7:58AM  | L           | 5'4"   | 2:04PM  | H           | 12'0"  | 7:08PM  | 07:54-04:43      |  |
| 13-Jan | L           | 0'0"   | 1:45AM  | H           | 15'4"  | 8:30AM  | L           | 4'4"   | 2:52PM  | H           | 11'5"  | 8:07PM  | 07:53-04:44      | <b>Tides 11-13 feet</b>  |
| 14-Jan | L           | 1'4"   | 2:28AM  | H           | 15'4"  | 9:05AM  | L           | 3'4"   | 3:43PM  | H           | 10'10" | 9:15PM  | 07:53-04:46      | Some woody debris still visible on the mudflat but water deeper. Better for diving ducks and seabirds. |
| 15-Jan | L           | 3'0"   | 3:13AM  | H           | 15'3"  | 9:43AM  | L           | 2'4"   | 4:39PM  | H           | 10'5"  | 10:34PM | 07:52-04:47      |  |
| 16-Jan | L           | 4'10"  | 4:05AM  | H           | 14'11" | 10:25AM | L           | 1'3"   | 5:39PM  | -           | -      | -       | 07:52-04:48      |  |
| 17-Jan | H           | 10'5"  | 12:10AM | L           | 6'6"   | 5:09AM  | H           | 14'7"  | 11:13AM | L           | 0'4"   | 6:41PM  | 07:51-04:50      |  |
| 18-Jan | H           | 11'2"  | 2:02AM  | L           | 7'9"   | 6:33AM  | H           | 14'2"  | 12:08PM | L           | -0'6"  | 7:42PM  | 07:50-04:51      |  |
| 19-Jan | H           | 12'5"  | 3:29AM  | L           | 8'3"   | 8:06AM  | H           | 13'10" | 1:08PM  | L           | -1'3"  | 8:38PM  | 07:49-04:53      | <b>Tides 13 feet and up</b>  |
| 20-Jan | H           | 13'6"  | 4:26AM  | L           | 8'2"   | 9:25AM  | H           | 13'8"  | 2:08PM  | L           | -1'9"  | 9:30PM  | 07:49-04:54      | Lots of water around the boardwalk.  |
| 21-Jan | H           | 14'3"  | 5:11AM  | L           | 7'8"   | 10:26AM | H           | 13'6"  | 3:05PM  | L           | -2'0"  | 10:18PM | 07:48-04:56      | Good for diving birds.   |
| 22-Jan | H           | 14'8"  | 5:48AM  | L           | 7'1"   | 11:16AM | H           | 13'4"  | 4:00PM  | L           | -1'11" | 11:02PM | 07:47-04:57      |  |
| 23-Jan | H           | 14'11" | 6:21AM  | L           | 6'5"   | 12:01PM | H           | 13'1"  | 4:51PM  | L           | -1'5"  | 11:44PM | 07:46-04:58      |  |
| 24-Jan | H           | 15'0"  | 6:50AM  | L           | 5'9"   | 12:43PM | H           | 12'8"  | 5:42PM  | -           | -      | -       | 07:45-05:00      |  |
| 25-Jan | L           | -0'9"  | 12:24AM | H           | 15'0"  | 7:18AM  | L           | 5'1"   | 1:24PM  | H           | 12'2"  | 6:31PM  | 07:44-05:01      |  |
| 26-Jan | L           | 0'3"   | 1:03AM  | H           | 14'11" | 7:47AM  | L           | 4'5"   | 2:05PM  | H           | 11'7"  | 7:22PM  | 07:43-05:03      | NOTE: Tide conditions can vary depending on weather conditions.  |
| 27-Jan | L           | 1'6"   | 1:42AM  | H           | 14'9"  | 8:16AM  | L           | 3'10"  | 2:46PM  | H           | 11'0"  | 8:16PM  | 07:42-05:04      |  |
| 28-Jan | L           | 2'10"  | 2:20AM  | H           | 14'5"  | 8:47AM  | L           | 3'3"   | 3:29PM  | H           | 10'6"  | 9:14PM  | 07:41-05:06      |  |
| 29-Jan | L           | 4'4"   | 2:59AM  | H           | 14'0"  | 9:20AM  | L           | 2'10"  | 4:15PM  | H           | 10'1"  | 10:23PM | 07:40-05:07      |  |
| 30-Jan | L           | 5'10"  | 3:43AM  | H           | 13'6"  | 9:57AM  | L           | 2'5"   | 5:06PM  | H           | 10'0"  | 11:52PM | 07:38-05:09      |  |
| 31-Jan | L           | 7'2"   | 4:37AM  | H           | 12'11" | 10:39AM | L           | 2'0"   | 6:01PM  | -           | -      | -       | 07:37-05:11      |  |

This information can be found at <http://www.protides.com/washington>